Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/28/2020 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125087	0	1.73	125133	1.78
Blue	F	SSC	125000	124806	-1	1.53	125584	1.57
Blue	E	FITC	16433	15873	-4	2.90	346	20.45
Blue	D	PE	27595	27131	-2	2.14	590	14.60
Blue	B	PerCP-Cy5-5	43183	43258	0	3.79	1163	20.53
Blue	A	PE-Cy7	31943	31882	-1	6.16	607	41.53
Red	C	APC	42819	42403	-1	2.42	1494	12.04
Red	A	APC-Cy7	31261	30128	-4	2.33	798	12.04
Violet	B	V450	6527	6188	-6	4.80	346	13.07
Violet	A	V500	24533	23486	-5	4.52	546	10.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17704	9.10	618	18	N/A	N/A	Pass
Blue	F	SSC	56744	1.22	559	11	N/A	N/A	Pass
Blue	E	FITC	62	63.54	543	4	0.0186	76	Pass
Blue	D	PE	123	50.02	541	7	0.1745	303	Pass
Blue	B	PerCP-Cy5-5	214	50.45	656	14	0.0089	66	Pass
Blue	A	PE-Cy7	113	103.39	704	15	0.0106	18	Pass
Red	C	APC	355	25.54	582	-1	0.0252	196	Pass
Red	A	APC-Cy7	175	29.45	561	-2	0.0055	1129	Pass
Violet	B	V450	53	60.89	452	-3	0.0641	2816	Pass
Violet	A	V500	82	34.48	464	-3	0.0219	775	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.67	0.95
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.42	13.60 - 20.40	N/A	N/A	29.44	29.73	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10452

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments